

PRIOR ART

FIG. 1

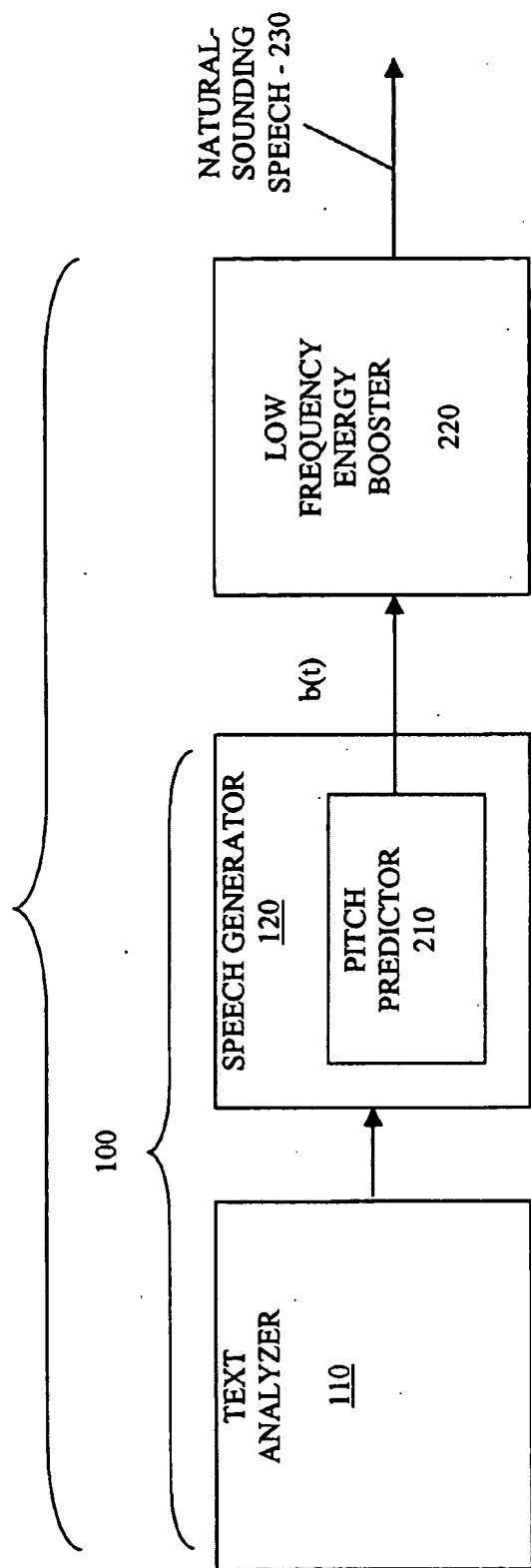
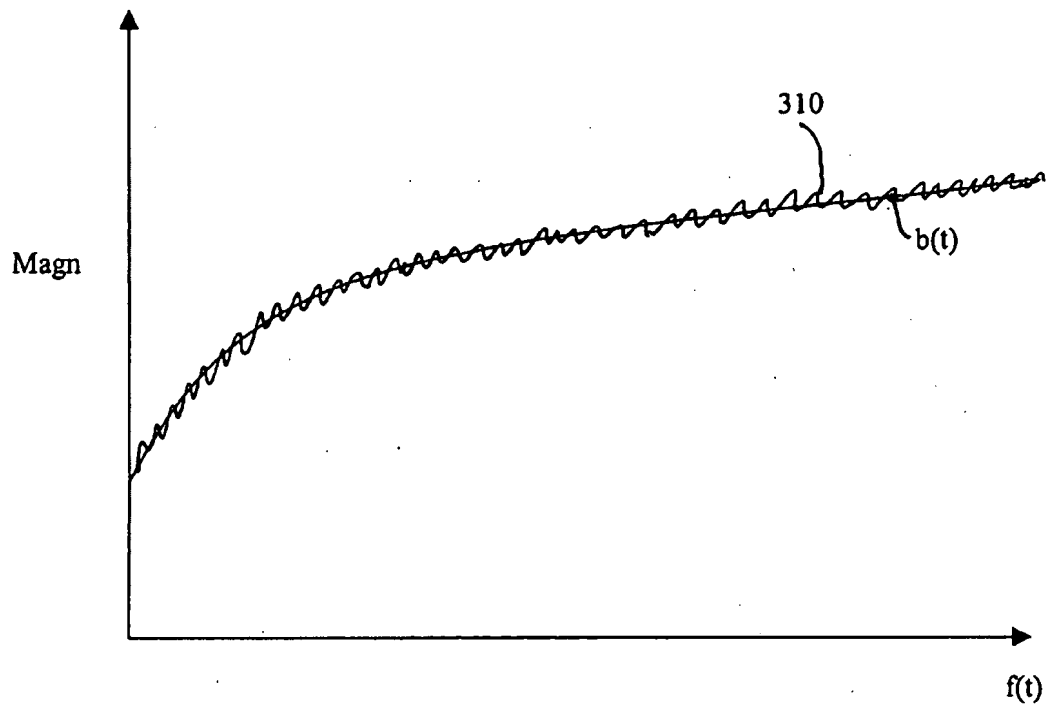


FIG. 2

09732122 120700



**FIG. 3**

CONCATENATIVE TEXT-TO-  
SPEECH SYNTHESIS SYSTEM 400

USER SPECIFIES THE TEXT TO BE SYNTHESIZED

410

USE TEXT SPECIFIED BY USER TO  
SELECT SEGMENTS OF SPEECH

420

CALCULATE TARGET PITCH  
CONTOUR USING STATISTICAL  
METHODS

450

CONCATENATE SEGMENTS OF  
SPEECH

430

FORM PIECEWISE LINEAR  
CONTOUR

460

ADD NARROW BAND, LOW  
FREQUENCY NOISE SIGNAL,  $p(t)$ ,  
TO PITCH CONTOUR,  $b(t)$ ,

470

USER SPECIFIES THE TEXT TO BE SYNTHESIZED

410

END

FIG. 4

00732402.100700